APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/005,582	10/26/2001	Randall R. Hube	D/A0613	8136

			EXAMINER
62095 7590 11/09/2006			ROHWER, JACOB P

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ART UNIT	PAPER NUMBER
2625	

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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/005,582	HUBE ET AL.
	Examiner	Art Unit	
	Jacob P. Rohwer	2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>16 October 2006</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-14, 22-25 and 27</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-14, 22-25 and 27</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>02 December 2005</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set

forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this

application is eligible for continued examination under 37 CFR 1.114, and the fee set

forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action

has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 16

October 2006 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-14, 22-24 and 27 are rejected under 35 U.S.C. 103(a) as being

unpatentable over US Patent No 6,134,568 to Tonkin, in view of US Patent No

6,509,974 to Hansen, as cited in the previous rejections.

Regarding claim 1, Tonkin discloses a document processing system **(Fig 1)** with

at least one document processing subsystem **(Fig 1 #71-73)** where a job, including a

set of images, is processed in multiple renderings **(Fig 5F #326)**, in response to input

provided by a user, **(Fig 5A-F #326 discloses a GUI where a user is able to set**

attributes) to obtain first and second job processing events of the job corresponding to

the first and second renderings **(Fig 5F #431-#436 disclose 6 different renderings of**

document components), respectively, a method comprising:

programming a first job control ticket with a first set of attributes, the first job

control ticket controlling a manner in which the job is to be processed in the first job

processing event; **(Fig 5C-E allow a user to set attributes corresponding to a**

selected job component, and then add different components to the complete job

for the overall job compositions as disclosed in Fig 5B #328.)

programming a second job control ticket with a second set of attributes, the

second job control ticket controlling a manner in which the job is to be processed in the

second job processing event; **(Fig 5C-E allow a user to set attributes corresponding**

to a selected job component, and then add different components to the complete

job for the overall job compositions as disclosed in Fig 5B #328.) linking a master

job control ticket with user selectable global attributes and user selectable individual

ticket attributes to the first and second job control tickets wherein the global attributes

comprise first properties of the first and second job control tickets and the individual

attributes comprise second properties of a selected individual one of the first and

second job control tickets; **(Fig 5B #314, #316-318, #320, #322 and #324 discloses**

attributes corresponding to the complete document assembly and Fig 5F

discloses a summary where the global attributes (top of GUI) and the individual

attributes (#326) are linked together in order to provide the document

composition including the different renderings applied to the document

components #431- #436)

linking the master job control ticket with the first and second job control tickets

and the set of images **(Fig 5F)** so that, with one submission of the job to the document

processing subsystem, **(Fig 9 OK submits the complete job to the subsystem in one**

submission, Fig 4 #270) the job is processed in the first job processing event with the

first job control ticket and in the second job processing event with the second job control

ticket, wherein the job need not be submitted multiple times to the document processing

subsystem to accommodate the multiple renderings. **(Fig 1 #71-73, Col 14 Lin 32-34)**

Although Tonkin discloses, document assembly and output techniques are well

known in the art, he does not expressly disclose processing the document multiple

times. However, Hansen discloses a job ticket preparation system and method,

wherein a user is able to specify a number of copies of the document to be processed at

the station. **(Col 4 Lin 2-4)**

The Tonkin and Hansen Patents are combinable because they both come from

the same field of endeavor relating to producing a document at a processing station.

At the time of the invention it would have been obvious to one of ordinary skill in

the art to process the document as specified in the Tonkin Patent multiple times as

specified in the Hansen Patent.

The suggestion/motivation for doing so would have been to produce a sufficient

number of copies of the document when desired by the user.

Therefore it would have been obvious to combine the Tonkin and Hansen

Patents in order to obtain the invention as specified in claim 1.

Regarding claim 2, Tonkin further discloses the method of claim 1, further

comprising linking the first and second job control tickets with a master job ticket

including first and second user selectable portions corresponding respectively with the

first and second job control tickets, wherein each first and second user selectable

portions is selected to cause the job to be processed in the first job processing event

with the first job control ticket and in the second job processing event with the second

job control ticket. **(Fig 5F discloses a document editing window linking global**

attributes, or the master ticket of the job (binding, stapling, paper size), with the

individual processing attributes of different job components disclosed in #326,

#431- #436 disclose user selectable portions or attributes specified as disclosed

in Fig 5D)

Regarding claim 3, Tonkin further discloses the method of claim 2, further

comprising providing the master ticket with a third user selectable portion, the third user

selectable portion corresponding with an instruction, wherein when the user selects the

third user selectable portion an operation is performed globally in each first and second

job processing events. **(Fig 5F discloses in #314, #316- #318, #320, #322 and #324**

that the global attributes of the master ticket are user selectable.)

Regarding claim 4, Tonkin further discloses the method of claim 1, in which a

third job control ticket controlling a manner in which the job is to be processed in a third

job processing event is programmed and the third job control ticket is referenced to the

set of images, further comprising linking the first, second and third job control tickets

with a master job control ticket including first, second and third user selectable portions

corresponding respectively with the first, second and third job control tickets, wherein

one or more of the first, second and third user selectable portions are selected to cause

the job to be processed in one or more of the first job processing event with the first job

control ticket, the second job processing event with the second job control ticket and the

third job processing event with the third job control ticket. **(Fig 5F discloses a third,**

fourth, fifth, and even sixth job processing event that render a document

component in a different rendering form than the other components as discussed

in claim 1 above. #431- #436)

Regarding claim 5, Tonkin further discloses the method of claim 1, further

comprising editing at least one of the first and second job control tickets. **(Fig 5F #332**

discloses an editing button to edit one of the job processing events, Fig 4 #266)

Regarding claim 6, Tonkin further discloses the method of claim 5, wherein said

editing includes leaving the master job control ticket unaltered. **(Fig 5F #332 discloses**

the editing button exclusive to the document composition section, which alters

the document components as disclosed in #431- #436 while leaving the global

attributes unaltered.)

Regarding claim 7, Tonkin further discloses the method of claim 5, wherein said

editing includes changing one or both of the first and second sets of attributes. **(Fig 5F**

#332 discloses an editing button to edit one of the 1st—6th job processing events

as disclosed in #431- #436, and their selected attributes are disclosed in Fig 5D)

Regarding claim 8, Tonkin further discloses the method of claim 5, wherein said

editing includes deleting both the first job control ticket and first user selectable portion.

(Fig 5F #330 discloses a button to remove one of the document components or job processing events and its corresponding attributes selected by the user.)

Regarding claim 9, the combination further discloses the method of claim 1, wherein said method includes generating a first output by producing prints of the set of images in the first job processing event and generating a second output by producing prints of the set of images in the second job processing event. **(As disclosed in Fig 5F #326 of Tonkin, there are different (first and second) job processing events that will produce their corresponding images, and Hansen in Fig 1b discloses multiple printers to output different job processing events.)**

Regarding claim 10, Tonkin further discloses the method of claim 1, wherein said method includes performing a first set of one or more image processing operations on a copy of the set of images in the first job processing event and performing a second set of one or more image processing operations on a copy of the set of images in the second job processing event. **(Fig 5F #326, Once again, the job processing events corresponds to the attributes set, which are performed on the corresponding pages or images specified in the document composition.)**

Regarding claim 11, Tonkin further discloses the method of claim 1, wherein said method includes performing a first set of make-ready operations on a copy of the set of images in the first job processing event and performing a second set of make-ready operations on a copy of the set of images in the second job processing event. **(Fig 5F #326, Once again, the job processing events corresponds to the attributes set,**

and the rendering makes-ready using the attributes specified, a copy of the sets

of images according to the different components as disclosed.)

Regarding claim 12, Tonkin further discloses the method of claim 1, further

comprising configuring the first and second job control tickets so that the first set of

attributes includes at least one attribute corresponding with a first type of offline finishing

and/or the second set of attributes includes at least one attribute corresponding with a

second type of offline finishing. **(Fig 5F discloses binding and stapling, examples of**

offline finishing. As applied to claim 12, the first and second job control tickets

include the master attributes as specified in claim 1 (binding and stapling), so the

offline attributes set read on claim 12 as submitted since the word "or" is

included, meaning the first or second job processing event includes this

attribute, as disclosed. There is nothing in the claims language of claims 1 or 12

that distinguish that the offline attribute is an individual and not a global attribute

that is applied to either the first or second event.)

Regarding claim 13, the combination further discloses the method of claim 12,

further comprising creating a hardcopy sheet including representations of one or both of

the at least one attribute corresponding with the first type of offline finishing and the at

least one attribute corresponding with the second type of offline finishing. **(Hansen Fig**

5 shows hardcopies of output sheets, if an offline-finishing attribute is selected,

and the job is processed accordingly, it is known that the output will be

completed representing the attribute specified.)

Regarding claim 14, Tonkin further discloses the method of claim 1, further

comprising linking the first and second job control tickets with a master job ticket

including first and second selectable portions corresponding respectively with the first

and second job control tickets, wherein the first selectable portion is selected, and the

second selectable portion is not selected, wherein the job is processed in accordance

with the first job control ticket, but not in accordance with the second job control ticket.

(Fig 5F #330 discloses a button to remove one of the document components or

job processing events and its corresponding attributes selected by the user,

disclosing that the second processing event can be removed, and not selected if

desired by the user, while the first job processing event is rendered at the printer

accordingly.)

Regarding claim 22, please see rejection of claim 1. Furthermore the system

disclosed in Tonkin **(Fig 1)** performs the method of claim 1.

Regarding claim 23, Tonkin further discloses the job ticket control system of

claim 22, wherein the document processing system includes a printing subsystem. **(Fig**

1 #71-73)

Regarding claim 24, Hansen further discloses the job ticket control system of

claim 23, wherein said printing subsystem includes a xerographic printing device. **(Col 4**

Lin 12-18)

Regarding claim 27, Tonkin further discloses the method of claim 22, wherein the

global and individual attributes selections in the master job control ticket only change

the attributes of the first and second job control tickets when used under that master job

control ticket and do not change the attributes of the first and second job control tickets globally such as when the tickets are used under another master job control ticket. **(Fig 5F discloses that the tickets are unique to the global attributes for the document specified. As a result the settings specified in Fig 5D don't apply to other jobs being output.)**

Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Tonkin and Hansen as applied to claim 1 above, and further in view of well known prior art.

Regarding claim 25, Hansen further teaches a hierarchal structure that supports objects within objects, or master tickets including individual tickets within higher master tickets.

Examiner takes official notice that well known prior art teaches that within this hierarchal structure, there can be master tickets within master tickets as specified in claim 25.

At the time of the invention, it would have been obvious to one of ordinary skill in the art that the combination of Tonkin and Hansen could have been modified to include another set of master attributes, within a higher set of attributes as specified in claim 25. The motivation for doing so would have been to allow users to make an even more specific group of document components with attributes corresponding to certain components but not to others.

Response to Arguments

Applicant's arguments with respect to claims 1-14, 22-25 and 27 have been considered but are moot in view of the new ground(s) of rejection.

Furthermore, applicant's arguments with regard to the fact that the previous grounds of rejection using Hansen does not provide multiple alternative renderings to the same image job data have been fully considered but they are not persuasive. The arguments are not persuasive due to the fact that nowhere in the independent (or dependent) claims, is the language limited to multiple alternative renderings of the *same* job data, or first and second alternative job processing events applied to the *same* job data. As a result, the Tonkin Reference has been provided to disclose that multiple renderings of a document can occur in one submission, and this reference (in combination with Hansen) reads on the claims as submitted due to the fact that the claim language does not distinguish that the "multiple distinct renderings" are applied to the *same* set of image data as argued by applicant.
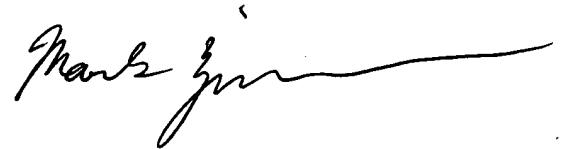
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacob P. Rohwer whose telephone number is 571-272-5509. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams can be reached on 571-272-7471. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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11/3/06

MARK ZIMMERMAN
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